

SECTION 209 - SINGLE BITUMINOUS SURFACE TREATMENT

1. GENERAL

This work shall consist of a bituminous prime coat applied to the earth subgrade and the construction of a wearing surface composed of the application of a bituminous seal coat with the application of the cover material in accordance with these specifications and in reasonably close conformity with the lines shown on the plans or established by the Engineer.

When so specified in this section, materials, equipment and construction shall conform to the 1966 Edition of "Standard Specifications" for State Road and Bridge Construction as published by the State Highway Commission of Kansas, hereinafter referred to as the Standard Specifications.

2. BITUMINOUS MATERIALS

Bituminous materials shall conform to the requirements specified in the following Sections of Division IV, "Materials Details:"

Bituminous Material.	Section K1
Emulsified Asphalt.	Section K3

3. EQUIPMENT

Equipment shall conform to the requirements specified in the following Subsections of Division II, "Equipment Requirements:"

Hauling Equipment	Subsection B2-1
Weighing Equipment.	Subsection B2-2
Bitumen Heater.	Subsection B4-2
Bitumen Distributor	Subsection B4-3
Two Axle Tandem Steel Roller.	Subsection B1-3
Light Self-Propelled Pneumatic-tired Roller . .	Subsection B1-7
Self-Propelled Aggregate Spreader	Subsection B4-7

Only self-propelled aggregate spreaders will be permitted on this type of work.

4. CONSTRUCTION REQUIREMENTS

A. Preparation of Road Surfaces. Preparation of the road surfaces shall be in accordance with the requirements specified in Article E5-4, (a.).

B. Heating of Bituminous Materials. Heating of the bituminous material shall be in accordance with the requirements specified in Article D3-4, (c.).

C. Temperature of Bituminous Materials. The temperature of the bituminous material at the time of application shall be as provided in Article D3-4, (d.).

D. Prime Coat. The bituminous prime coat shall be applied in accordance with the requirements specified in Article E5-4, (d.). The bituminous prime coat (MC-70) shall be applied at the rate of 0.35 gallons of asphalt per square yard of surface area.

E. Seal Coat. After the bituminous base material (BC-1) construction is completed, the Contractor shall apply the bituminous seal material and shall apply the cover material all in accordance with the requirements specified in Articles E6-4, (d.) through E6-4, (g.).

Manipulation (S.B.S.T.) shall be performed in accordance with the requirements specified in Article E6-4, (h.).

The bituminous seal coat (RC-800) shall be applied at the rate of 0.25 gallons of asphalt per square yard of surface area.

The Contractor may use an emulsified asphalt (CRS-1H), applied at the rate of 0.40 gallons of emulsified asphalt per square yard of surface area, as a substitute for the above specified RC-800.

5. WEATHER AND SEASONAL LIMITATIONS

A. Surface treatment shall be constructed only between May 1 and October 15 and operations shall be carried on only when the surface is dry, when the atmospheric temperature is above 60° F., and when the weather is not foggy or rainy. The above requirements may be waived, but only when so directed and in writing by the Engineer.

B. Bituminous sealing using emulsions shall be constructed only between June 15 and September 15 and when the atmospheric temperature is seventy (70)° F. and above and when the weather is either foggy or rainy.

6. COVER MATERIAL

Aggregate for cover material shall be chat. The chat shall be a crushed product consisting of mine run or screened tailings produced during the mining of lead and zinc. The quality and size requirements shall conform to Section J7, of the "Standard Specifications."

Rate of application of the cover material shall be 0.01 cubic yards per square yard of surface area.